AN

ASTRONOMICAL DIARY,

OR

ALMANACK,

FOR THE YEAR OF CHRISTIAN ÆRA,

1787

Being BISSEXTILE or LEAP-YEAR.

Calculated for the Meridian of PORTSMOUTH, NEW-HAMPSHIRE, lat. 43 deg. 5 min. north. But will serve for any of the *New-England* States.

Containing every thing necessary for such a work; with a variety of entertainment in PROSE and VERSE.

By DANIEL SEWALL.

Mysterious round! what skill, what hand divine
Rear, ever turn, wheels the silent spheres;
Works in the sky, and deeps; floats, steaming thence
The fair profusion that o'erspreads the spring;
Flings from the sun direct the flaming day;
Feeds every creature; hurls the tempest forth;
And, as on earth this grateful change revolves,
With transport touches all the springs of life.

THOMSON.

PORTSMOUTH, N. H.

Printed and sold (wholesale or retail) by ROBERT GERRISH, at his Printing-Office in Congress-Street. Sold also by LAMSON & RANLET, at *Exeter*; and by most of the retailers in town and country. ☞ A large allowance by the quantity.

READER,

CUSTOM and fashion, which the world blindly follows, right or wrong, must be followed in some measure by Almanac makers, (especially those who are interested in the sale of their Almanacs) otherwise perhaps, I should have saved myself the trouble of writing, and you of reading a formal preface, and filled this page with a table of interest, or something that might assist you in your business. But to prevent your going to sleep over it, I shall endeavor to season it with some humorous extracts concerning the absurdity of the customs and fashions of different nations. At *Paris*, 'tis said to be the fashion to eat mortified flesh: A native of *Legibola* will not taste of his fish till it is putrified: The civilized inhabitants of *Kamschatka* get drunk with the urine of their guests whom they have already intoxicated: The *Nova Zemblons* and *Laplanders* feast and make merry on lamp oil: A true-bred *Frenchman* dips his fingers imbrowned with snuff into his plate filled with ragout, and between every two or three mouthfuls takes a fresh pinch, with the most graceful gesticulation.—Now, reader, let us look into our own country, and see if we ourselves have no such absurd, uncleanly, indelicate customs. Perhaps several might be mentioned; but seeing they do little other damage than offend the senses of those who come within the sphere of their action, I shall wave them, and only just touch upon the bewitching power of the fashion of the times.—How absurd is it for parents who by their own care and industry have heaped up an estate, to educate their children in such a manner as if they thought they never could spend it, by teaching or suffering them to place their chief ambition in dress, and scenes of dissipation; whereby they contract an hearty aversion for business, and the thriving sound of the spinning wheel or loom; and spread the infection of honest industry and modest merit in home made dress; as if in this consisted gentility, which has little to do with dress: for a gentleman is the same in all circumstances, in silk or sack-cloth: and we often see an ill-bred villain dressed very fashionably.—How

much more honored and esteemed by every true patriot and friend to his country, is the man who, cloathed in the manufacture of his country, comes to the city on his lofty steed, loaded with the fat of the land, in sacks as white as snow, true emblem of neatness and delicacy; he looks independent, and need not fear the frowns of the prosperous:—I say, how much more esteemed, and useful to society is such a one, than the empty idle fop, though clad in the most costly array.——But methinks I hear one say, there is still a greater absurdity unnoticed; which is, that an Almanac maker should set up for a reformer. I submit to the censure, and return to my province, by saying that there are but four days in the year in which a true clock or watch will be right with the sun; but are sometimes a quarter of an hour too fast, and sometimes as much too slow, by the sun, if they go even: From the 15th of April to the 16th of June, clock will be too slow; from thence to the 31st of August, clock will be too fast; from thence to the 24th of December, clock will be too slow: and from thence to the 15th of April clock will be too fast. And you may tell whether your clock or watch goes exact by observing through a small hole in a window shutter what time any fixed star disappears behind a steeple or chimney; and if on the next night the same star disappears three minutes and 56 seconds sooner by the clock or watch, it is exact.

As thro' the zodiack moves the changing year,
The varying stars go down and disappear;
The vernal bloom the summer suns destroy,
And barren winter blasts th' autumnal joy;
So change the human race, around the ball,
And gliding generations rise and fall.

VULGAR NOTES FOR 1787.

Golden Number, - -	2	Dominical Letter, -	G
Cycle of the Sun, -	4	Dyonisian Period, -	116
Epact, - - - - -	10	Julian Period, -	6499

The Planet VENUS will be Morning Star from the 4th of January to the 18th of October; at other times Evening Star.

ECLIPSES *for the* YEAR 1787.

FIRST of the MOON, January 3d, partly visible; the phases of which are as follow:

Beginning,	5	16	Evening.
The MOON rises,	5	27	
Begins to be total,	6	16	
Middle,	7	5	
End of total darkness,	7	55	
End of the Eclipse,	8	48	
Duration of total darkness,	1	39	
Duration of the Eclipse,	3	30	

Digits eclipsed, - - 20d. 56m. from the north side of the Earth's shadow.

II. Of the SUN, January 19th, at 4h. 45m. in the morning, invisible.

III. Of the SUN, June 15th, at 10h. 46m. in the forenoon; invisible in this latitude.

IV. Of the MOON, June 30th, at 11h. 53m. forenoon; invisible.

V. Of the SUN, December 9th, about noon; invisible in this latitude.

VI. Of the MOON, December 24th, at 10h. 15m. forenoon; invisible.

SHORT SENTENCES.

INTEREST makes some people blind, others quick sighted.

If money be the root of all evil, there is a prospect of better times.

They that fly from pleasure, often find the most.

To endeavor to work upon the vulgar with fine sense, is like attempting to hew blocks with a razor.

The coward thinks himself cautious, the miser frugal.

A woman, an old watch, a ship and a mill, want constant repairs.

Young men are slaves to novelty, old men to custom; covetous men live drudges to die wretches.

When nature brings forth one generation, she calls back another.

NOW, from the frozen regions of the north,
The desolating tempest hurries forth:
Mars' half-fraught schemes by many undefin'd,
Who warnings heed not, or to omens blind.

Full ● 3d. 7h. 5m. even. | New ● 19th. 4h. 45′ morn
Last Q'r. 11th. 2h. 10′ morn. | 1st. Q'r. 26th. 12h. 29′ aftern.

M	W	CALENDAR, &c.	R. ☉	S.	F. Sea	R ●	S	Pl
1	2	Circumcis.	7	34	5	9 22	4 43	♊
2	3	CCP. Boston. *Cold*	7	34	5	10 26	5 45	29
3	4	Bat. Princet. 76. *Cloudy*	7	33	5	11 28	● rise	♋
4	5	Inf. ♂ ☉ ♀ *Perh. rain*	7	33	5	11 58	5 19	28
5	6	☉ slow of clock 6m. *or*	7	32	5	12 27	6 32	♌
6	7	Epiphany. *snow,*	7	32	5	1 21	7 43	26
7	G	7*s sou. 8h 19m	7	31	5	2 10	8 51	♍
8	2	Lucian. *Cold.*	7	30	5	2 56	9 55	23
9	3	CCP. Hallow. IC. Charl.	7	30	5	3 40	10 58	♎
10	4	Think twice, *A*	7	29	5	4 22	morn.	18
11	5	ere you *spell*	7	28	5	5 4	0 1	♏
12	6	speak once. *of*	7	28	5	5 48	1 3	12
13	7	☿ gr. elonga. *cold*	7	27	5	6 33	2 5	24
14	G	☾ Apogee. *weather.*	7	26	5	7 20	3 6	♐
15	2	☉ slow of clock 10m.	7	25	5	8 9	4 4	17
16	3	IC. Dov. *cloudy.* ♂ ☽ ♂	7	24	5	8 59	4 58	29
17	4	*Warm and*	7	23	5	9 50	5 48	♑
18	5	*perhaps* ♂ ♀ ♂	7	22	5	10 40	6 28	24
19	6	Honesty *rain.*	7	21	5	11 29	☽ sets	♒
20	7	is the best policy.	7	20	5	12 7	6 2	19
21	G	2 past Epiph. *Moderate*	7	19	5	12 53	7 10	♓
22	2	Love your neighbour	7	18	5	1 49	8 18	15
23	3	♂ ☿ ♂ as yourself. *A*	7	17	5	2 35	9 26	29
24	4	*storm of*	7	16	5	3 22	10 35	♈
25	5	Conv. St. Paul *Snow.*	7	15	5	4 11	11 45	27
26	6	☉ slow of clock 13m	7	14	5	5 4	morn.	♉
27	7	♂ ☽ 7*s *Good sledding.*	7	13	5	6 0	0 57	25
28	G	7*s sou. 6h 45m. *More*	7	12	5	6 59	2 10	♊
29	2	*snow.* ☽ Perigee.	7	10	5	8 0	3 20	24
30	3	Take care of your fire,	7	9	5	9 3	4 22	♋
31	4	*Overcast.*	7	8	5	10 3	5 18	22

THUS *Death* from diſmal caverns of deſpair,
Comes arm'd with guilt, and clad in clouds of fear:
The wilful blind muſt feel the dreadful blow,
Quit their fond dreams, and wake to endleſs woe!

Full Moon 2d. 7h. 33′ morn. | New Moon 17th. 9h. 35 even.
Laſt q'r. 9th. 11h. 6′ night. | Firſt q'r. 24th. 8h. 7′ even.

M	W	CALENDAR, &c.	R. ☉	S.	F. Sea	R ●	S	P
1	5	*Overcaſt.*	7 7	5	11 0	6	3	♌
2	6	Purifica. V. M. *warm,*	7 5	5	11 49	●	riſe	20
3	7	Prel. Peace ratif. 1783. *cool,*	7 4	5	12 13	6	24	♍
4	G	Septuag. *mod.* York deſt.	7 3	5	12 38	7	31	18
5	2	[by Indians, 1691.	7 2	5	1 24	8	37	♎
6	3	IC. Portſm. *A conſiderable*	7 1	5	2 8	9	41	13
7	4	*ſnow ſtorm.* ☉ ♂ ♄	6 59	6	2 52	10	44	25
8	5	*Perhaps* .	6 58	6	3 35	11	46	♏
9	6	7*s ſou. 6h 2m *rain.*	6 57	6	4 20	morn.		20
10	7	☉ ſlow cl. 15m ☾ Apog.	6 56	6	5 7	0	48	♐
11	G	Sexageſima. *Moderate.*	6 54	6	5 56	1	48	13
12	2	Idleneſs is nearly allied	6 53	6	6 46	2	44	25
13	3	CCP. Northamp. *Cloudy,*	6 52	6	7 37	3	35	♑
14	4	(to wickedneſs.	6 50	6	8 28	4	20	19
15	5	*Cloudy,*	6 49	6	9 17	4	57	♒
16	6	*Warm*	6 47	6	10 6	5	40	15
17	7	*for the*	6 46	6	10 54	☽	ſets	28
18	G	Quinquageſima. *ſeaſon.*	6 44	6	11 42	6	3	♓
19	2		6 43	6	12 29	7	13	25
20	3	SJC. Boſton. *Cold* ♂ ☽ 7*s	6 41	6	1 13	8	24	♈
21	4	Aſh. Wed. *Some*	6 40	6	2 7	9	36	24
22	5	☉ ſlow cl. 14m *falling*	6 39	6	2 59	10	48	♉
23	6	*weather.*	6 38	6	3 55	morn.		21
24	7	☽ Perigee. *Cold.*	6 36	6	4 54	0	1	♊
25	G	1ſt in Lent.	6 35	6	5 54	1	12	20
26	2	*Moderate.*	6 33	6	6 53	2	15	♋
27	3		6 32	6	7 52	3	10	18
28	4	*Perhaps rain.*	6 30	6	8 49	3	59	♌

Treaty between France and America ſigned, Feb. 6, 1778.

If aught is rare or dear beneath the ſky,
An honeſt Man's the hardeſt thing to buy.

NOW ſtorm, and calm, in vague ſucceſſion reign,
Thro' warring æther, and the raging main;
'Till thro' the bold meridian Phœbus ſhines,
The ſenſes chears, and ſtills the jarring winds.

Full Moon 3d. 9h.9m. even. | New ● 19th. 10h.6′ foren.
Laſt q'r. 11th. 8h. 12′ even. | 1ſt q'r. 25th. 3h. 26′ morn.

M	W	CALENDAR, &c.	R. ☉ S.			F. Sea		R ● S		Pl
1	5	*Overcaſt. ſup.* ♂ ☉ ☿	6	29	6	9	42	4	36	16
2	6	*Moderate.*	6	27	6	10	31	5	14	29
3	7	*Cold*	6	26	6	11	17	● riſe		♍
4	G	*encreaſes.*	6	24	6	11	40	6	22	26
5	2	Boſton Maſſacre, 1770.	6	23	6	12	2	7	27	♎
6	3	CCP. Edgart. *Warm for*	6	21	6	12	47	8	32	21
7	4	*the*	6	20	6	1	31	9	35	♏
8	5	☉ ſlow cl. 11m *ſeaſon.*	6	18	6	2	17	10	38	15
9	6	*Pleaſant,*	6	17	6	3	4	11	41	27
10	7	*then* ☾ Apo.	6	15	6	3	52	morn.		♐
11	G	*a ſtorm.*	6	14	6	4	41	0	37	21
12	2	7**s ſet 11h. 7m	6	12	6	5	31	1	29	♑
13	3	CCP. Con. & Taun. *Snow.*	6	11	6	6	22	2	14	15
14	4	*Clears off* [IC. Graft.]	6	9	6	7	12	2	57	27
15	5	Bat. Guilf. *Cold.* ♂ ☾ ♀	6	8	6	8	1	3	26	♒
16	6	*Windy.*	6	6	6	8	50	4	2	23
17	7	Boſt. evac. by ♀ gr. elong.	6	5	6	9	38	4	39	♓
18	G	*A* [Brit. 1776.	6	3	6	10	25	4	56	20
19	2	♂ ♃ ♄ *ſtorm about*	6	2	6	11	14	☽ ſets		♈
20	3	IC. Keen. *this*	6	0	6	12	5	7	27	19
21	4	Benedict. *time.*	5	59	7	12	58	8	40	♉
22	5	Fear is the ☽ Perig.	5	57	7	1	54	9	55	18
23	6	companion of Guilt.	5	56	7	2	53	11	8	♊
24	7	*Cold.*	5	54	7	3	54	morn.		17
25	G	☉ ſlow of cl. 6m.	5	53	7	4	55	0	15	♋
26	2	Shun prophane company.	5	51	7	5	55	1	13	15
27	3	CCP. Sherb. & Worc. *More*	5	50	7	6	52	2	2	28
28	4	☿ gr. elonga. *Snow.*	5	48	7	7	45	2	43	♌
29	5	Beware of flatterers.	5	47	7	8	34	3	18	26
30	6	Sir I. Newton died, 1727.	5	45	7	9	20	3	46	♍
31	7	*Moderate.*	5	44	7	10	5	4	10	22

SO rayleſs hope, and fears diſtract the mind,
While ſearching pleaſures of an earthly kind:
'Till on the ſoul divine compaſſion pours
His golden beams, and balmy peace reſtores.

Full ● 2d. 11h. 41m.	foren.	New ● 17th. 8h. 00m.	even.
Laſt qr. 10th. 3h. 21m.	aftern	1ſt. qr. 24th. 11h. 16′	foren.

M	W	CALENDAR, &c.	R. ☉	S.	F. Sea	R ●	S	Pl
1	G	Palm Sund. *Snow* ♂ ♀ ♄	5	42 7	10 49	4	36	♎
2	2	*or rain.*	5	41 7	11 34	●	riſe	17
3	3	CCP. Ipſ. & Barnſt. *Moder.*	5	40 7	11 57	7	23	29
4	4	St. Ambroſe.	5	38 7	12 19	8	27	♏
5	5	☉ ſlow of clock 3m	5	37 7	1 6	9	30	23
6	6	Good Friday. *Cold.*	5	35 7	1 54	10	29	♐
7	7	● Apogee.	5	34 7	2 42	11	28	17
8	G	EASTER. *Warm*	5	32 7	3 32	morn.		29
9	2	7*s ſet 9h 6m. *for*	5	31 7	4 22	0	19	♑
10	3	SJC. Conc. CCP. York &	5	29 7	5 12	1	3	22
11	4	*the* [Plym. IC. Amh.	5	28 7	6 1	1	41	♒
12	5	Envy not *ſeaſon.*	5	27 7	6 48	2	14	18
13	6	thy neighbor's proſperity.	5	25 7	7 35	2	43	♓
14	7	*Rain.* Inf. ♂ ☉ ☿	5	24 7	8 22	3	11	14
15	G	☉ & cl. together. *Clears off*	5	22 7	9 9	3	36	28
16	2	*cool.* [SC. Dover	5	21 7	9 59	4	6	♈
17	3	SJC. Worceſt. CCP. Boſt.	5	20 7	10 51	☽	ſets	27
18	4	7*s ſet 9h. 27m.	5	18 7	11 47	7	51	♉
19	5	☽ Per. ♂ ☽ 7*s	5	17 7	12 47	8	49	27
20	6	*Chilly*	5	15 7	1 50	10	5	♊
21	7	To God *winds*	5	14 7	2 54	11	13	26
22	G	we owe what we poſſeſs.	5	13 7	3 56	morn.		♋
23	2	☉ faſt clock 2m. *A ſtorm*	5	11 7	4 54	0	10	24
24	3	SJC. Northamp. CCP. Sh.	5	10 7	5 49	0	55	♌
25	4	St. M. [& Worc. SC. Portſ.	5	9 7	6 39	1	33	25
26	5	*of rain.* [♂ ♀ ♂	5	7 7	7 26	2	4	♍
27	6	Now ſow *A ſpell of*	5	6 7	8 11	2	39	17
28	7	your Barley. *warm*	5	5 7	8 55	2	56	29
29	G	3d. after Eaſter. *weather.*	5	3 7	9 38	3	13	♎
30	2	☿ ſtationary. *Chilly.*	5	2 7	10 22	3	58	25

The Bible firſt printed in Engliſh, 1537

MAY hath XXX DAYS.

NOW from the boſom of the blooming year
Flow ſilken ſounds, which ſoothe the captive ear:
The dews diſtil, prolific ſhowers deſcend,
And gentle aid to vegetation lend.

Full ● 2d. 2h 56′ morn.	New ● 17th. 6h. morn	F ● 31ſt. 6h.
Laſt q′r. 10th. 7h 3′ mo	1ſt qr. 23d. 8h 14′ eve.	34m. even.

M	W	CALENDAR, &c.	R. ☉ S.	F. Sea	R ● S	Pl.
1	3	G. E. Newp. St. Ph. & Ja.	5 1 7	10 43	4 19	6
2	4	G. Election at Hartford.	5 0 7	11 30	●riſe	20
3	5	[York, 1782.	4 59 8	11 55	8 32	♐
4	6	G. Carleton arrived at N.	4 57 8	0 19	9 27	14
5	7	☾ Apog. *Overcaſt*	4 56 8	1 9	10 17	26
6	G	*A ſtorm.*	4 55 8	1 59	11 1	♑
7	2	7*s ſet 8h. 5m. *Showery.*	4 54 8	2 48	11 37	19
8	3	S. C. Amherſt.	4 52 8	3 36	morn.	♒
9	4	S. J. C. Barnſt. *Warm,*	4 51 8	4 23	0 9	13
10	5	*and pleaſant.*	4 50 8	5 9	0 36	26
11	6	[taken by Brit. 1780.	4 49 8	5 54	1 3	♓
12	7	☉ faſt cl. 4m. S. Carol.	4 48 8	6 39	1 29	21
13	G	☿ gr. elonga. *Perhaps*	4 47 8	7 26	1 54	♈
14	2	*Rain.*	4 46 8	8 16	2 22	20
15	3	S J C. Plym. C C P. Spring.	4 45 8	9 10	2 54	♉
16	4	[& Grot. S C. Charl.	4 44 8	10 8	3 31	20
17	5	Aſcenſion. ☽ Per.	4 43 8	11 9	☽ ſets	♊
18	6	*High tides and*	4 42 8	12 13	8 53	21
19	7	□ ☉ ♄ *a ſtorm,*	4 41 8	1 18	9 52	♋
20	G	*about*	4 40 8	2 21	10 43	20
21	2	*this*	4 39 8	3 19	11 23	♌
22	3	S C. Plym. N. Hamp.	4 38 8	4 12	11 56	19
23	4	7*s ſet 7h. 7m. *time.*	4 37 8	5 0	morn.	♍
24	5	*Chilly,* ☌ ☉ ♃	4 36 8	5 46	0 25	13
25	6	*and more*	4 35 8	6 30	0 48	27
26	7	*rain.*	4 35 8	7 13	1 12	♎
27	G	WHITSUNDAY. ✝	4 34 8	8 7	1 36	23
28	2	☉ faſt of clock 3m.	4 33 8	8 41	2 1	♏
29	3	C C P. Falmouth.	4 32 8	9 27	2 29	16
30	4	G. E. Boſt. *Growing*	4 31 8	10 15	3 0	♐
31	5	*weather.* ☽ Apog.	4 31 8	11 5	●riſe	11

SO, when the spring of *life* blooms in the soul,
And love divine in sacred accents roll;
Redemption, full of music fills the heart,
While show'rs of grace diffusive growth impart.

Last q'r. 8th. 6h. 53′ aftern. | 1st q'r. 22d. 7h. 3m. morn.
New Moon 15th. 11h 8′ foren | Full ● 30th. 9h. 56m. foren

M	W	CALENDAR, &c.	R. ☉ S.	F. Se.	R ● S	Pl
1	6	*Rain,* Many rail at the	4 30 8	11 54	8 13	23
2	7	*or* times, but few strive	4 30 8	0 20	8 56	♑
3	G	*foggy.* to better them.	4 29 8	0 43	9 35	16
4	2	Augusta taken 5th, 1781.	4 28 8	1 31	10 8	28
5	3	CC. Pownalb. IC. Portsm.	4 28 8	2 18	10 36	♒
6	4	☉ fast cl. 2m. [& Haverh.	4 27 8	3 3	11 1	22
7	5	♂ ☿ ♃ *Cloudy,*	4 27 8	3 47	11 27	♓
8	6	*and*	4 26 8	4 32	11 51	18
9	7	Early rising *warm.*	4 26 8	5 17	morn.	♈
10	G	is conducive to health.	4 26 8	6 3	0 45	15
11	2	♂'s rise 2h. 34m.	4 25 8	6 53	1 20	30
12	3	CGP. Worcest. IC. Amh.	4 25 8	7 47	2 3	♉
13	4	♂ ☾ ♂'s. *A spell of*	4 25 8	8 45	2 56	29
14	5	High tides. *overcast*	4 25 8	9 48	4 0	♊
15	6	☾ Per. ☉ & clock togeth.	4 24 8	10 54	● sets	27
16	7	Sup. ♂ ☉ ☿ *weather and*	4 24 8	11 58	8 17	♋
17	G	Batt. B. Hill, 1775. *some*	4 24 8	12 59	9 10	29
18	2	Brit. ev. Phil. 1778. *rain.*	4 24 8	1 56	9 48	♌
19	3	SJC. Ipsw. IC. Keen.	4 24 8	2 48	10 18	28
20	4	☉ slow of clock 1m.	4 24 8	3 37	10 45	♍
21	5	LONGEST DAY. *Hot.*	4 24 8	4 23	11 11	24
22	6	Idleness is the parent	4 24 8	5 6	11 34	♎
23	7	of Misery and Want.	4 24 8	5 49	11 58	20
24	G	Nat. J. Baptist. *Cool.*	4 24 8	6 34	morn.	♏
25	2	*and*	4 24 8	7 20	0 26	14
26	3	SJC. York. *perhaps*	4 24 8	8 7	0 56	26
27	4	♂'s rise 1h. 42m. *rain.*	4 24 8	8 55	1 30	♐
28	5	☾ Ap. Bat. of Monm.	4 25 8	9 44	2 11	26
29	6	St. Peter.	4 25 8	10 34	3 3	♑
30	7	☉ fl. cl. 3m. ♂ ♀ ♃	4 25 8	11 23	● rise	13

Silk-Stockings first worn in England, 1561

NOW thunders bellow from the black'ning cloud,
And falling show'rs await the busy crowd:
While numbers to their habitations flee,
Some trust the shelter of the shady tree.

Last qr. 7th. 3h. 14m. aftern | 1st qr. 21st. 8h. 16m. even.
New ● 14th. 6h. 16m. aftern | Full ● 30th. 0h. 25m. morn

M	W	CALENDAR, &c.	R. ☉ S.	F. Sea	R ● S	Pl
1	G	*Very warm.*	4 25 8	11 46	8 4	♑ 20
2	1	Visit. of Virg. Mary.	4 26 8	0 10	8 33	♒
3	2	SJC. Falm. CCP. Boston.	4 26 8	0 56	9 1	20
4	3	Indep. decl. 1776. *Cloudy.*	4 26 8	1 41	9 25	♓
5	4	Hypocrites are hateful to	4 27 8	2 25	9 47	15
6	5	God and Man. *Warm.*	4 27 8	3 9	10 13	28
7	6	Batt. Hub. 1777.	4 28 8	3 50	10 39	♈
8	7	Wouldst thou pray, retire.	4 28 8	4 41	11 8	25
9	1	Fairfield burnt, 1779.	4 29 8	5 31	11 44	♉
10	2	SJC. Lin. CCP. Yor. & Sal	4 29 8	6 26	morn.	22
11	3	☌ ☾ 7*s. Bat. Gr. Br. 76.	4 30 8	7 25	0 28	♊
12	4	Norwalk burnt, 1779. *Hot*	4 30 8	8 27	1 22	25
13	5	☌ ☾ ☿ ☾ Per.	4 31 8	9 31	2 28	♋
14	6	High tides. *Showery*	4 32 8	10 35	☽ sets	25
15	7	6th past Trinity. *and*	4 32 8	11 35	7 35	♌
16	1	Stoney. pt. ft. taken *cloudy*	4 33 8	12 30	8 9	22
17	2	[by Gen. Wayne, 79.	4 34 8	1 21	8 28	♍
18	3	Commencement Cambr.	4 34 8	2 10	9 6	20
19	4	*A spell*	4 35 8	3 6	9 31	♎
20	5	*of good*	4 36 8	3 41	9 56	16
21	6	*hay*	4 37 8	4 26	10 22	28
22	7	*weather.*	4 38 8	5 12	10 52	♏
23	1	*Easterly*	4 39 8	5 59	11 25	23
24	2	*winds.* ☿ gr. elong.	4 40 8	6 47	morn.	♐
25	3	*Showery,*	4 41 8	7 36	0 3	16
26	4	St. James. ☾ Ap. Dog	4 42 8	8 26	0 48	28
27	5	St. Anne. [DAYS beg.	4 43 8	9 15	1 41	♑
28	6	*Very*	4 44 8	10 4	2 38	22
29	7	*warm and*	4 45 8	10 51	3 41	♒
30	1	*sultry.*	4 47 8	11 37	● rise	16
31	2	☉ slow of clock 6m.	4 48 8	11 59	7 26	29

SO once from *Sinai's* top dread thunders broke,
And to th'offender *sorer* veng'ance spoke!
No refuge here averts the falling curse,
But *Him* who suffer'd veng'ance on the cross.

Last qr. 6th. 10h. 54m. foren | 1st qr. 20th. 12h. 44' aftern.
New ● 13th. 2h. 14m. morn | Full ● 28th. 1h. 37m. aftern

M	W	CALENDAR, &c.	R. ☉	S.	F.	Sea	R ●	S	Pl
1	4	Lammas.	4 49	8	0	22	7	50	12
2	5	*Very*	4 50	8	1	5	8	14	♈
3	6	*hot*	4 51	8	1	52	8	41	8
4	7	*weather.*	4 52	8	2	38	9	9	21
5	☌	7*s rise 11h. *Overcast.*	4 53	8	3	26	9	42	♉
6	2	Transfig. *Hot.*	4 54	8	4	19	10	22	19
7	3	IC. Exet. ☿ stat. ☌ ☽ 7*s.	4 56	8	5	15	11	9	♊
8	4	*Rain*	4 57	8	6	15	morn		18
9	5	Gen. Sullivan landed at	4 58	8	7	17	0	7	♋
10	6	☽ Per. [Rh. Isl. 1778.	4 59	8	8	19	1	12	17
11	7	*Rain*	5 0	7	9	19	2	25	♌
12	☌	☉ slow of clock 5m. *Very*	5 2	7	10	16	3	41	16
13	2	*hot*	5 3	7	11	10	☽ set.		♍
14	3	IC. Dur. CSes. Ex. ☌ ☽ ☿	5 4	7	12	—	7	4	14
15	4	7*s rise 10h. 18m. *Some*	5 6	7	12	48	7	30	28
16	5	Bat. Benning. 1777. *rain*	5 7	7	1	35	7	58	♎
17	6	Real Piety is not ostenta-	5 8	7	2	21	8	23	24
18	7	☌ ☉ ♄ *Cloudy* [tious.	5 10	7	3	8	8	54	♏
19	☾	11th past Trin. *showers,*	5 11	7	3	55	9	26	19
20	2	Inf. ☌ ☉ ☿ *with smart*	5 12	7	4	44	10	5	♐
21	3	☉ slow clock 3m. *thunder.*	5 14	7	5	33	10	48	12
22	4	Com. Dart. Col. *which*	5 15	7	6	23	11	38	24
23	5	☽ Apo. *cools the*	5 16	7	7	12	morn.		♑
24	6	St. Barthol. *air.*	5 18	7	8	2	0	34	18
25	7	☉ [lands head Elk, 1777.	5 19	7	8	50	1	35	♒
26	☾	7*s rise 9h. 42'. G. Howe	5 20	7	9	37	2	38	13
27	2	Bat. L. Island. 76. *Foggy*	5 22	7	10	22	3	44	25
28	3	SJC. Bos. COP. Northam.	5 23	7	11	8	● rise		♓
29	4	Battle on Rhode Island.	5 24	7	11	54	6	25	22
30	5	Gen. Sullivan retreats.	5 26	7	0	17	6	50	♈
31	6	☿ stat. ☉ & cl. together.	5 27	7	0	41	7	18	19

Thro' wintry waſtes, thro' ſummer's ſcorching noons,
Thro' light and ſhade, thro' waxing, waining moons,
The rolling year thus far its courſe has run,
And meets a milder ſeaſon in the temp'rate zone.

Laſt q'r. 4th. 3h. 39′ aftern. | 1ſt q'r. 19th. 7h. 27m. morn.
New ● 11th. 12h. 26′ aftern. | Full ● 27th. 1h. 38m. morn.

M	W	CALENDAR, &c.	R. ⊙ S.	F. Sea	R ● S	Pl
1	7	*Cloudy*, ☌ ☌ ♃	5 29 7	1 30	7 50	♉
2	G	Defin. tr. ſign. Paris, 1783.	5 30 7	2 22	8 28	16
3	2	DOG DAYS end. *warm.*	5 32 7	3 17	9 12	♊
4	3	CCP. Worceſt. IC. Am. &	5 33 7	4 15	10 8	14
5	4	☌ ☾ ♃ ☌ ☽ ☌ [Plym.	5 34 7	5 15	11 10	28
6	5	☾ Perigee. *Rain.*	5 36 7	6 16	morn.	♋
7	6		5 37 7	7 16	0 20	27
8	7	Nat. V. Mary. ☿ gr. elong.	5 39 7	8 13	1 34	♌
9	G	7* riſe 8h. 51m. *Pleaſant.*	5 40 7	9 6	2 46	25
10	2	Bat. Brandw. 11th, 1777.	5 42 7	9 57	4 0	♍
11	3	CCP. Conc. Taunt. & Wal.	5 43 7	10 46	● ſets	23
12	4	Com. New-Haven.	5 44 7	11 33	6 4	♎
13	5	*Clear and*	5 46 7	12 20	6 30	19
14	6	*moderate.*	5 47 7	1 7	7 0	♏
15	7	⊙ faſt of clock 5m.	5 49 7	1 55	7 31	14
16	G	*Cloudy or foggy.*	5 50 7	2 44	8 9	26
17	2	7* riſe 8h. 20m. □ ⊙ ♃	5 52 7	3 34	8 50	♐
18	3	SJC. Worceſt. CCP. Len.	5 53 7	4 24	9 39	20
19	4	☾ Apog. *Rain.* [SC. Exe.	5 55 7	5 13	10 33	♑
20	5	Firſt Cong. met 5th, 1775.	5 56 7	6 2	11 30	14
21	6	St. Matthew. *Warm*	5 58 7	6 51	morn.	♒
22	7	Arnold's plot diſ. 25, 1785	5 59 7	7 38	0 33	8
23	G	*Perhaps*	6 1 6	8 24	1 36	21
24	2	⊙ faſt cl. 8m. *Rain.*	6 2 6	9 10	2 43	♓
25	3	SJC. Plymouth.	6 3 6	9 56	3 52	17
26	4	St. Cyprian.	6 5 6	10 43	4 59	♈
27	5	Philad. tak. by Howe, 1777	6 6 6	11 33	● riſe	14
28	6	*Warm for the ſeaſon.*	6 8 6	11 59	5 59	29
29	7	St. Michael. *then*	6 9 6	0 25	6 37	♉
30	G	St. Jerome. *rain.*	6 10 6	1 20	7 21	27

CCP. Barniſtable Newbury and Pownalb. *Sept.* 25.

OCTOBER hath xxxi Days.

Thro' joys and glooms, thro' ſmooth and rugged fate,
Thro' ſcorching trials, or a frozen ſtate;
The watchful Chriſtian runs his active race,
And meets refreſhing ſeaſons of aſſuring grace.

Laſt q'r. 3d. 9h. 48m. even. | Firſt q'r. 19th. 3h. 18′ morn
New ● 11th. oh. 11m. morn | Full ● 26th. 12h. 52′ aftern

M	W	CALENDAR, &c.	R. ☉	S.	F. Sea	R ●	S	P.
1	2	♂ ● ♃ 2d. ☾ Perig.	6 12	6	2 19	8	12	♊
2	3	SJC. Len. CCP. Boſt. &	6 14	6	3 19	9	13	25
3	4	up ♂ ☉ ☿ [Sher. SC. Am.	6 15	6	4 20	10	20	♋
4	5	*Look out for* [♂ ☾ ♂	6 17	6	5 19	11	31	23
5	6	□ ☉ ♂ *a ſtorm.*	6 18	6	6 16	morn.		♌
6	7	Bat. Germ. 1777. ♂ ☿ ☿	6 20	6	7 10	0	42	21
7	☉	☉ faſt cl. 12m. Bat. Stil. 77	6 21	6	8 0	1	52	♍
8	2	7*s riſe 6h. 53m. *Cool.*	6 22	6	8 48	3	2	19
9	3	CCP. Biddef. SC. Keen.	6 24	6	9 35	4	14	♎
10	4	*Warm*	6 25	6	10 22	5	28	14
11	5	*days and*	6 27	6	11 9	☽ ſets		♏
12	6	*cool*	6 28	6	11 56	5	39	10
13	7	*nights.*	6 30	6	12 44	6	14	23
14	G	Poverty is the fruit of	6 31	6	1 34	6	55	♐
15	2	☉ faſt cl. 14m. [idleneſs.	6 33	6	2 24	7	40	16
16	3	S. C. Haverh. ☽ Apogee	6 34	6	3 14	8	32	♑
17	4	♂ ☉ ♀ Surrend. Burg. 77.	6 36	6	4 3	9	29	10
18	5	Falmouth burnt, 75 *Cloudy*	6 37	6	4 50	10	26	22
19	6	Cornwallis ſur. 81. *Warm.*	6 38	6	5 37	11	29	♒
20	7	☉ faſt clock 15m.	6 40	6	6 23	morn.		16
21	G	*Warm for the*	6 41	6	7 8	0	35	♓
22	2	Battle Red-bank, 1777	6 43	6	7 53	1	41	12
23	3	SJC. Taunt. *ſeaſon.*	6 44	6	8 39	2	47	24
24	4	Brit. evac. R. Iſland. 1779	6 46	6	9 27	3	53	♈
25	5	*Cool, and*	6 47	6	10 18	4	59	23
26	6	*rain.*	6 48	6	11 13	● riſe		♉
27	7	High tides.	6 50	6	11 43	5	19	22
28	☾	St. Simon & Jude. ☾ Per.	6 51	6	0 12	6	10	♊
29	2	*Cold.* ♂ ● ♃	6 52	6	1 14	7	8	21
30	3	SJC. Camb. CCP. Tiſb.	6 54	6	2 17	8	11	♋
31	4	[& Falm.	6 55	6	3 18	9	28	20

What tho' this ſeaſon gloomy aſpects wear,
Declining ſun-beams, and a dying year:
Tho' froſts obtrude, and wintry blaſts begin,
'Twill be ſucceeded by a new-born ſpring.

Laſt q'r. 2d. 5h. 23m. morn | 1ſt. q'r. 17th. 10h. 25′ night
New ● 9th. 5h. afternoon | Full ● 24th. 11h. 44′ night

M	W	CALENDAR, &c.	R. ☉ S.	F. Sea	R ● S	Pl
1	5	All Saints.	6 50 6	4 16	10 40	♌
2	6	*Rain*	6 58 6	5 11	11 51	♍
3	7	St. John's taken by Gen.	6 59 6	6 2	morn.	♍
4	1	*Wurm* [Montgom. 75	7 0 5	6 50	1 2	♎
5	2	*and ſmoaky.*	7 2 5	7 36	2 7	♎
6	3	SJC. Salem. IC. Exeter.	7 3 5	8 21	3 12	♏
7	4	*Overcaſt.*	7 4 5	9 7	4 18	♏
8	5	☉ faſt clock 16m, *Cool*	7 5 5	9 53	5 24	♐
9	6	*Moderate*	7 7 5	10 40	☽ ſets	♑
10	7	*Perhaps*	7 8 5	11 28	4 50	♑
11	1	*Snow* ☌ ☽ ☿	7 9 5	12 18	5 35	♒
12	2	*Warm*	7 10 5	1 8	6 25	♒
13	3	CCP. Springfi. ☾ Apog.	7 11 5	1 57	7 21	♓
14	4	*Rain* □ ☉ ♄	7 13 5	2 45	8 20	♓
15	5	☉ faſt of clock 15m	7 14 5	3 31	9 20	♈
16	6	*Moderate*	7 15 5	4 16	10 20	♈
17	7	*weather*	7 16 5	5 0	11 22	♉
18	1	7*s ſouth 21h 54m *clouay*	7 17 5	5 43	morn.	♉
19	2	☿ greateſt elong. *and*	7 18 5	6 27	0 26	♊
20	3	IC. Dover. Battle fort	7 19 5	7 13	1 31	♊
21	4	*a ſtorm* [Waſhing. 76.	7 20 5	8 1	2 40	♋
22	5	A man of ſenſe never tells	7 21 5	8 53	3 51	♋
23	6	St. Clement. [a long ſtory	7 22 5	9 49	5 4	♌
24	7	*Overcaſt.*	7 23 5	10 50	● riſe	♌
25	1	☉ faſt of clock 12m.	7 24 5	11 54	4 48	♌
26	2	☾ Per. ☌ ● ♅ *More*	7 25 5	0 26	5 50	♎
27	3	CCP. Camb. *ſnow or*	7 26 5	12 59	7 9	♌
28	4	☿ & ♂ ſtat. *rain*	7 27 5	2 1	8 23	♌
29	5	7*s ſouth 11h 11m *Cool*	7 27 5	2 59	9 35	♍
30	6	St. Andrew. *Cloudy*	7 28 5	3 52	10 46	♍

Cannon begun to be uſed in ſhips, 1539.

What tho' old age arreſts the weary ſaint,
And death to nature fearful pictures paint:
This dreary ſhade is but the friendly paſs
To crowns of glory and to ſeats of bliſs!

Laſt q'r. 1ſt. 3h. 18'aftern	1ſt q. 17th. 3h 18'after	Laſt q. 31
New ● 9th. 11h. 29'fore	F. ● 24th. 10h 32'fore	4h 12'mor

M	W	CALENDAR, &c.	R. ☉ S.	F. Sea	R ● S	P
1	7	☉ faſt clock 10m *Cold*	7 29 5	4 42	11 53	♍
2	G	Advent ſunday ☌ ☿ ♀	7 30 5	5 28	morn	25
3	2	*Look out*	7 30 5	6 14	1 0	♎
4	3	CCP. Sal. Barnſt. & Wor.	7 31 5	6 59	2 6	21
5	4	*for a* [IC. Plym.	7 32 5	7 44	3 9	♏
6	5	Nicolas *ſtorm*	7 32 5	8 30	4 11	16
7	6	Inf. ☌ ☉ ☿	7 33 5	9 17	5 13	28
8	7	*Cool*	7 33 5	10 6	6 12	♐
9	G	7*s ſou. 10h 25m *Overcaſt*	7 34 5	10 55	● ſets	22
10	2	Bat. Gwin. Iſl. ☽ Ap.	7 34 5	11 44	5 3	♑
11	3	IC. Amherſt [☌ ☽ ♀	7 34 5	12 32	6 3	15
12	4	☉ faſt clock 6m *Perhaps*	7 35 5	1 18	7 3	♒
13	5	☌ ☉ ♃ *Rain*	7 35 5	2 3	8 3	9
14	6	Lucy	7 35 5	2 47	9 3	21
15	7	*Cold*	7 36 5	3 30	10 4	♓
16	G	3d in Advent. Teadeſt. in	7 36 5	4 12	11 6	15
17	2	☉ faſt cl. 3m. [Boſt. 73	7 36 5	4 55	morn.	28
18	3	*Warm*	7 36 5	5 40	1 9	♈
19	4	*Snow*	7 36 5	6 28	2 13	25
20	5	*Cloudy*	7 36 5	7 20	3 23	8
21	6	St. Thomas. *Shorteſt day*	7 36 5	8 17	4 33	23
22	7	7*s ſou. 9h 24m *Falling*	7 36 5	9 19	5 44	♉
23	G	☉ & cl. tog. *weath.* ☌ ● ♃	7 36 5	10 23	6 55	23
24	2	☾ Per. Very high tides.	7 36 5	11 27	● riſe	♊
25	3	Chriſtmas. *Pleaſant, then*	7 36 5	11 58	5 46	23
26	4	St. Stephen Bat. Trent. 76	7 36 5	0 29	7 2	☊
27	5	St. John. *a ſtorm.*	7 36 5	1 27	8 17	23
28	6	Innocents. ☿ gr. elong.	7 35 5	2 26	9 31	♋
29	7	Vain are all things under	7 35 5	3 10	10 38	21
30	G	the ſun: time flies away,	7 35 5	3 57	11 43	♌
31	2	Silveſter. the year is done.	7 35 5	4 43	morn.	18